

WE CLAIM:

1. A composite textile fabric for use in moisture management of textiles and garments, the composite fabric comprising a generally uniformly integrated fabric layer formed with an inner exposed surface that is predominantly hydrophobic material and an outer surface that is predominantly hydrophilic material, whereby the fabric forms a one-way liquid transport system extending away from the inner surface towards the outer surface.
2. A composite fabric according to Claim 1, in which the hydrophilic material is polypropylene.
3. A composite fabric fabric according to Claim 1, in which the hydrophilic material is one of polyester and cotton.
4. A re-usable diaper comprising an inner layer formed of the fabric according to Claim 1, a middle layer formed of treated cotton fabrics, and an outer layer formed of water-proof material.
5. A diaper comprising an inner layer formed of the fabric according to Claim 1, a middle layer formed of disposable absorbent material, and an outer layer formed of water-proof material.

6. Clothing provided with composite textile fabric layer according to Claim 1.
7. An incontinent mattress cover including a composite textile fabric layer according to Claim 1.
8. Clothing according to Claim 7 comprising boxer shorts.
9. Clothing according to Claim 7 comprising long pants.
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